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|--|---|---|------------------------------------|
| Form PTO-1390  |   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                              | ATTORNEY'S DOCKET NUMBER<br>P29103 |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/565785</b><br>Not Yet Assigned |                                    |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/011352   | INTERNATIONAL FILING DATE<br>August 6, 2004 | PRIORITY DATE CLAIMED<br>August 7, 2003   |                                    |
| TITLE OF INVENTION<br>DUCT WALL STRUCTURE  |   |   |                                    |
| APPLICANT(S) FOR DO/EO/US<br>Kiyoda AIDA, Nobuo SHIMONO, Kenji SUMIMORI, Yasuyuki OWA and Kiyoshi MOTOYAMA   |   |   |                                    |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (23) indicated below.</li> <li><input type="checkbox"/> The US has been elected (PCT Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d) (4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br/>"EXECUTED"</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 22 below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>Assignee: <u>Babcock-Hitachi Kabushiki Kaisha of Tokyo, Japan</u></li> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A FIRST preliminary amendment.<br/><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li><input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li><input checked="" type="checkbox"/> Figure of Drawing to be published: <u>1(a) &amp; 1(b)</u></li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154 (d) (4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international of the international application under 35 U.S.C. 154 (d) (4).</li> <li><input checked="" type="checkbox"/> Other items or information:<br/>Copy of the International Application as published in Japanese<br/>PCT/ISA/202 in Japanese and English; PCT/ISA/210-International Search Report in Japanese &amp; English<br/>PCT/ISA/220-in Japanese and English; PCT/ISA/237<br/>PCT/IB/301; PCT/IB/304; PCT/IB/308; PCT/IB/311<br/>Claim of Priority</li> </ol> |   |   |                                    |

|   |              |   |                                       |                          |              |
|---|--------------|---|---------------------------------------|--------------------------|--------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)   |              | INTERNATIONAL APPLICATION NO.   |                                       | ATTORNEY'S DOCKET NUMBER |              |
| 10/565785<br>Not Yet Assigned   |              | PCT/JP2004/011352   |                                       | P29103                   |              |
| 23 <input checked="" type="checkbox"/> The following fees are submitted:<br>Basic national fee.....300.00   |              |   |                                       | CALCULATIONS             | PTO USE ONLY |
|   |              |   |                                       | \$ 300.00                |              |
| 24 <input checked="" type="checkbox"/> Examination Fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4).....100.00<br>All other situations.....200.00   |              |   |                                       | \$ 200.00                |              |
| 25 <input checked="" type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a) (2)) has been paid on the international application to the USPTO as an International Searching Authority.....100.00<br>International Search Report prepared and provided to the Office.....400.00<br>All other situations.....500.00 |              |   |                                       | \$ 400.00                |              |
| TOTAL 23, 24 and 25 =   |              |   |                                       | \$ 900.00                |              |
| <input type="checkbox"/> Additional Fee for Specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.  |              |   |                                       |                          |              |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE                                  |                          |              |
| -100=   | /50 =        |   | x \$250.00                            | \$ 0.00                  |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).  |              |   |                                       |                          |              |
| Claims  | Number Filed | Number Extra  | Rate                                  |                          |              |
| Total Claims  | 17 - 20 =    | 0   | x \$50.00                             | \$ 0.00                  |              |
| Independent Claims  | 4 - 3 =      | 1   | x \$200.00                            | \$ 200.00                |              |
| Multiple Dependent Claim(s) (if applicable)   |              |   | + \$360.00                            | \$ 0.00                  |              |
| TOTAL OF ABOVE CALCULATIONS =   |              |   |                                       | \$1,100.00               |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |   |                                       | \$ 0.00                  |              |
| SUBTOTAL =  |              |   |                                       | \$1,100.00               |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (i)).  |              |   |                                       | \$ 0.00                  |              |
| Extension of Time fee in the amount of \$   |              |   |                                       | \$ 0.00                  |              |
| TOTAL NATIONAL FEE =  |              |   |                                       | \$1,100.00               |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |                                       | \$ 40.00                 |              |
| TOTAL FEES ENCLOSED =   |              |   |                                       | \$1,140.00               |              |
|   |              |   |                                       | Amount to be refunded    | \$           |
|   |              |   |                                       | Charged                  | \$           |
| a. <input checked="" type="checkbox"/> A check in the amount of \$1,140.00 to cover the above fees is included.   |              |   |                                       |                          |              |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees.  |              |   |                                       |                          |              |
| c. <input checked="" type="checkbox"/> The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0089.   |              |   |                                       |                          |              |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  |              |   |                                       |                          |              |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  |              |   |                                       |                          |              |
| SEND ALL CORRESPONDENCE TO CUSTOMER NO. 07055<br>AT THE PRESENT ADDRESS OF:   |              |   |                                       |                          |              |
| Bruce H. Bernstein<br>GREENBLUM & BERNSTEIN, P.L.C.<br>1950 Roland Clark Place<br>Reston, VA 20191<br>(703) 716-1191  |              |   | Leslie J. Paperner<br>Reg. No. 33,329 |                          |              |
|   |              |   | SIGNATURE                             |                          |              |
|   |              |   | Bruce H. Bernstein<br>NAME            |                          |              |
|   |              |   | 29,027<br>REGISTRATION NUMBER         |                          |              |

IAP5 Rec'd PCT/PTO 25 JAN 2006

④

10/565785

PATENT CORPORATION TREATY

FROM : JAPANESE PATENT OFFICE

To:

Takayoshi MATSUNAGA

SOMEI & ASSOCIATES,  
Takaai Bldg. 9th floor  
15-2, Nihonbashi 3-chome,  
Chuo-ku, Tokyo 103-0027

Notification of Receipt of Copy  
for Search

Date of Mailing: August 17, 2004

Applicant's or Agent's file reference  
PC3874

International Application Number  
PCT/JP2004/011352

International Filing Date  
August 06, 2004

Priority Date  
August 07, 2003

Applicant (Name): BABCOCK-HITACHI KABUSHIKI KAISHA

1, We notify that the copy of search for international application was filed at the date as follows.

August 17, 2004

Japanese Patent Office (ISA/JP)  
4-3, Kasumigaseki 3-chome,  
Chiyoda-ku Tokyo

Authorized Officer  
Commissioner of Patent  
Office

PCT/ISA/202 (January, 2004)

10/ 565785

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IAP5 Rec'd PCT/PTO 25 JAN 2006

**PATENT CORPORATION TREATY  
INTERNATIONAL SEARCH REPORT**

Applicant's or Agent's File Reference      PC3874

| International Application<br>Number | International Filing Date | Priority Date   |
|-------------------------------------|---------------------------|-----------------|
| PCT/JP2004/011352                   | August 06, 2004           | August 07, 2003 |

Applicant: BABCOCK-HITACHI KABUSHIKI KAISHA

This International Search Report has 2 pages in all.

4. We approve a title of the invention submitted by the applicant.
5. We approve an abstract of the invention submitted by the applicant.
6. The figure which is announced with abstract is the first one.  
It is selected by this Authority,  
because the applicant failed to suggest a figure.

**PATENT CORPORATION TREATY**

FROM : JAPANESE PATENT OFFICE

To:

Takayoshi MATSUNAGA

SOMEI & ASSOCIATES,  
Takaai Bldg. 9th floor  
15-2, Nihonbashi 3-chome ,  
Chuo-ku, Tokyo 103-0027

Notification of transmittal  
of International Search Report  
or non-preparation of  
International Search Report

Date of Mailing: October 19, 2004

Applicant's or Agent's File reference  
PC3874

International Application Number  
PCT/JP2004/011352

International Filing Date  
August 06, 2004

Applicant: BABCOCK-HITACHI KABUSHIKI KAISHA

1. We notify the applicant that International Search Report was prepared and transmitted together with this Notification.

Japanese Patent Office(ISA/JP)  
4-3, Kasumigaseki 3-chome,  
Chiyoda-ku Tokyo

Authorized Officer 3L3333  
Commissioner of Patent  
Office  
Telephone No. 03-3581-1101  
Extension No. 3335

PCT/ISA/220 (January,2004)